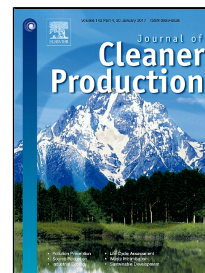


# Accepted Manuscript

Durability performance of green concrete composites containing waste carpet fibers and palm oil fuel ash



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**HIGHLIGHTS**

- Waste carpet fibers and POFA were used in the production of green durable concrete.
- Carpet fibers can significantly affect the resistance against chloride penetration.
- Combination of carpet fibers and POFA leads to the lower drying shrinkage.
- Carpet fibers caused reduction in water absorption and carbonation depth.

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